

## Liverpool John Moores University

Title: Principles of Risk Management  
Status: Definitive  
Code: **7088RTC** (127357)  
Version Start Date: 01-08-2021

Owning School/Faculty: Engineering  
Teaching School/Faculty: Engineering

Team	Leader
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**Academic Level:** FHEQ7  
**Credit Value:** 10  
**Total Delivered Hours:** 16.5  
**Total Learning Hours:** 100  
**Private Study:** 83.5

### Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	8
Online	.5
Tutorial	8

**Grading Basis:** 50 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	An essay question comprising several component parts, based around a case study, up to 2,500 words long.	95	
Test	AS2	Individual and group activities e. g. quiz, forum.	5	

### Aims

*To illustrate the objectives of, and the drivers for, risk management.  
To consider and discuss the main concepts in the field of risk management.*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Deconstruct the risk management process into its constituent components
- 2 Contrast key risk management terms such as "hazard", "consequence" and "risk"
- 3 Evaluate the various drivers which cause organisations to manage risk
- 4 Demonstrate expertise in academic referencing

## Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Essay	1	3
Test	2	4

## Outline Syllabus

### *Drivers for risk management*

*Attitudes to risk / perception of risk*

*Tolerability of risk*

*Regulatory regimes*

*Company drivers*

*The cost of accidents*

### *Definitions / terminology*

*The elements of risk management / the risk management process*

*ALARP*

*Example specialist tools, techniques and studies*

*The HSE case (or safety case) and HSE MS*

*Causes of major accidents*

*Leadership, culture and behaviours*

*Module conclusions and close out*

## Learning Activities

A combination of lectures, exercises and supported self study.

## Notes

This module aims to provide an overview of the objectives and drivers for risk management. It defines some of the fundamental terminology used in risk management. It discusses major risk management concepts such as risk tolerability criteria and As Low As Reasonably Practicable (ALARP). The module briefly introduces some key risk assessment tools and techniques and the situations in which they may be used. It considers the purpose and structure of a HSE / safety case and components of an HSE Management System (HSE MS). The module

includes case studies of some significant historical accidents. It gives an overview of the role that leadership and organisational culture can play in reducing accidents.

Assessment is in the form of an essay combined with activities (e.g. exercises, discussions, etc.).

The module is delivered using a combination of face-to-face and online learning, described as follows:

Lecture: face-to-face workshop

Tutorial/Activities (Exercises and reviews): Online activities with teacher feedback, and virtual classrooms

Tutor-supported Online: Tutor feedback for activities, virtual classrooms and email support